

Site Safety Analysis Report for the EGC Early Site Permit Figure 2.4-22

Aquifers in Consolidated Rocks from Pennsylvanian to Silurian-Devonian 730-K

Pennsylvania aquifers - Sandstone and some limestone in rocks of Pennsylvanian age

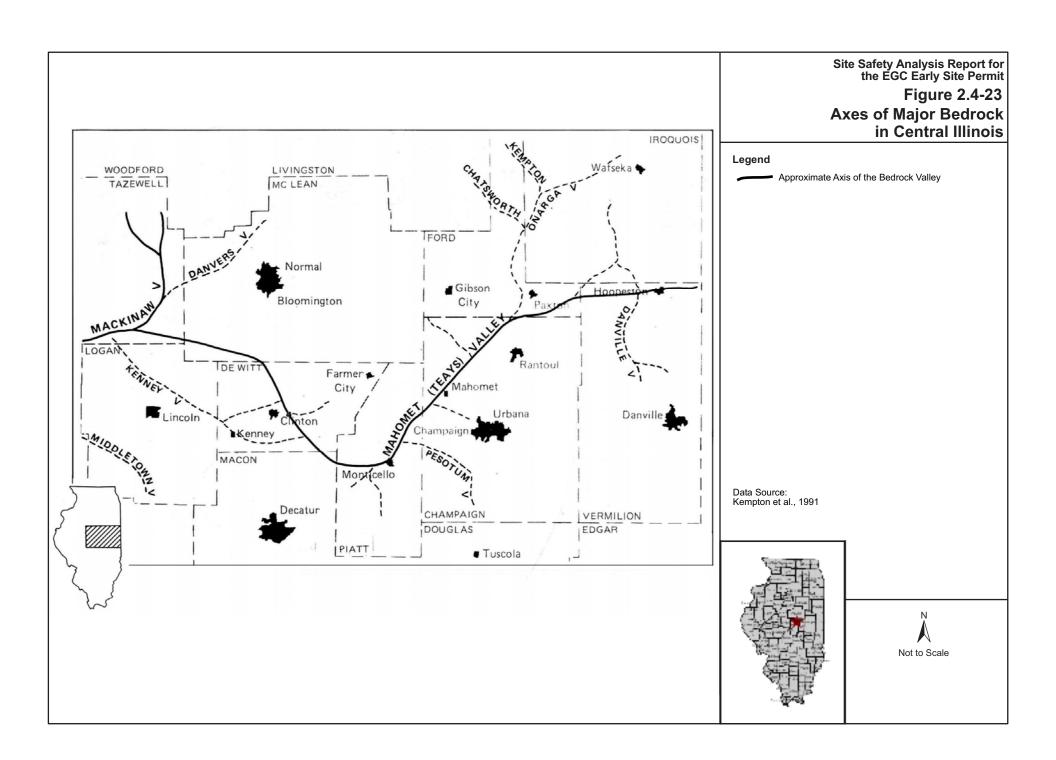
Mississippian aquifers - Limestone and sandstone in rocks of Mississippian age

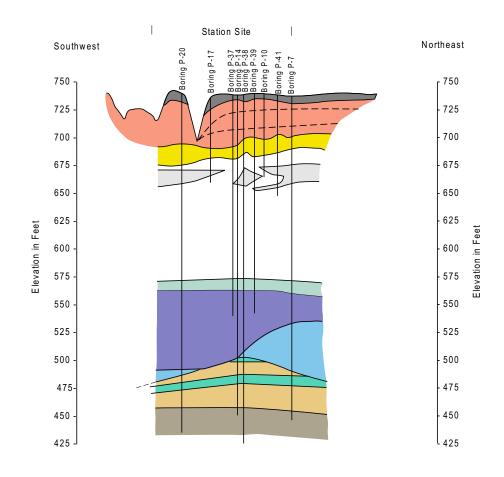
Silurian-Devonian aquifer - Dolomite and limestone in rocks of Devonian and Silurian ages

Cambrian-Ordovician aquifers - Sandstone and dolomite in rocks of Ordovician and Cambrian ages







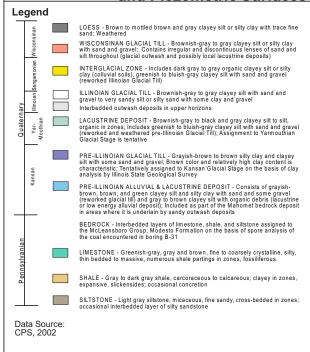


NOTES:

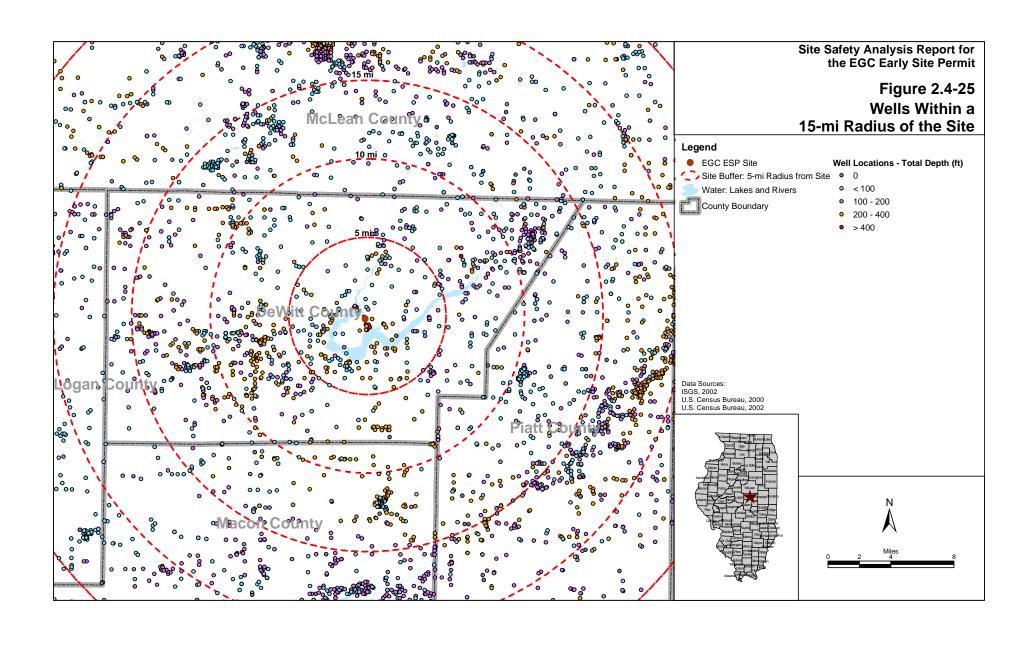
- Groundwater Levels indicated on the subsurface section were obtained by interpolating between borings with piezometers. Information on actual groundwater levels exist only at boring locations with piezometers. It is possible that groundwater levels between borings with piezometers may vary from those indicated.
- 2. The depth and thickness of soil and rock strata indicated on the subsurface section were obtained by interpolating between borings. Information on actual soil and rock conditions exist only at boring locations. It is possible that soil and rock conditions may vary from those indicated.
- 3. The discussion in the text is necessary for proper understanding of the nature of the subsurface materials
- 4. Elevations refer to the USGS Datum.

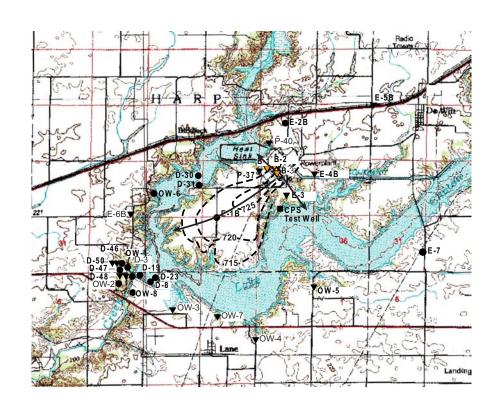
Site Safety Analysis Report for the EGC Early Site Permit Figure 2.4-24

Near Site Cross Section of Hydrogeologic Units and Piezometric Surfaces



Not to Scale





Site Safety Analysis Report for the EGC Early Site Permit Figure 2.4-26

Location of Piezometers, CPS Test Well, and Water Table in Site Vicinity

Legend

- CPS Test Well
- ▼ Functional Piezometer (As of 12 77)
- Non-Functional Piezometer (As of 12 77)
- ☐ Inferred Water Table Contour, Wisconsinan Deposits
 ☐ Piezometer Installed in July/August 2002

Flow Line

NOTES

- 1. Datum is mean sea level
- 2. Piezometer installation data are listed in Table 2.3-15
- 3. Base map modified from USGS, 15' Series topographic map: Maroa, Ill., 1957

Data Source: CPS, 2002



